

[Document Type] Abstract

[Abstract]

[Object]

It is one object of the present invention to perform data compression to encode the structure part of a document in a tree local language, such as XML or ASN.1.

[Constitution]

A data compression apparatus for encoding data and for compressing the encoded data comprises: a grammar rule 12 for a tree local language in which data are represented by a labeled tree structure; an encoder 11 for reading a document written in the tree local language, for dividing the document into a structure part and contents, and for encoding the structure part using the grammar rule 12; and a compressor 13 for compressing the contents of the document extracted by the encoder 11, and for encoding the compressed contents.

[Selected Drawing] Fig. 1